

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 101S314S32

Source: PCT

Date Processed by STIC: 4-25-05

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/531,532

DATE: 04/25/2005
TIME: 12:26:00

Input Set : A:\MNM001PC.txt
Output Set: N:\CRF4\04252005\J531532.raw

4 <110> APPLICANT: MILLENIUM PHARMACEUTICALS, INC., et al.
 6 <120> TITLE OF INVENTION: SPLEEN TYROSINE KINASE CATALYTIC DOMAIN: CRYSTAL
 7 STRUCTURE AND BINDING POCKETS THEREOF
 9 <130> FILE REFERENCE: MNM/001 PCT
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/531,532
 C--> 12 <141> CURRENT FILING DATE: 2005-04-15
 14 <150> PRIOR APPLICATION NUMBER: 60/419,382
 15 <151> PRIOR FILING DATE: 2002-10-16
 17 <160> NUMBER OF SEQ ID NOS: 11
 19 <170> SOFTWARE: PatentIn Ver. 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 635
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
 27 Met Ala Ser Ser Gly Met Ala Asp Ser Ala Asn His Leu Pro Phe Phe
 28 1 5 10 15
 30 Phe Gly Asn Ile Thr Arg Glu Glu Ala Glu Asp Tyr Leu Val Gln Gly
 31 20 25 30
 33 Gly Met Ser Asp Gly Leu Tyr Leu Leu Arg Gln Ser Arg Asn Tyr Leu
 34 35 40 45
 36 Gly Gly Phe Ala Leu Ser Val Ala His Gly Arg Lys Ala His His Tyr
 37 50 55 60
 39 Thr Ile Glu Arg Glu Leu Asn Gly Thr Tyr Ala Ile Ala Gly Gly Arg
 40 65 70 75 80
 42 Thr His Ala Ser Pro Ala Asp Leu Cys His Tyr His Ser Gln Glu Ser
 43 85 90 95
 45 Asp Gly Leu Val Cys Leu Leu Lys Pro Phe Asn Arg Pro Gln Gly
 46 100 105 110
 48 Val Gln Pro Lys Thr Gly Pro Phe Glu Asp Leu Lys Glu Asn Leu Ile
 49 115 120 125
 51 Arg Glu Tyr Val Lys Gln Thr Trp Asn Leu Gln Gly Gln Ala Leu Glu
 52 130 135 140
 54 Gln Ala Ile Ile Ser Gln Lys Pro Gln Leu Glu Lys Leu Ile Ala Thr
 55 145 150 155 160
 57 Thr Ala His Glu Lys Met Pro Trp Phe His Gly Lys Ile Ser Arg Glu
 58 165 170 175
 60 Glu Ser Glu Gln Ile Val Leu Ile Gly Ser Lys Thr Asn Gly Lys Phe
 61 180 185 190
 63 Leu Ile Arg Ala Arg Asp Asn Asn Gly Ser Tyr Ala Leu Cys Leu Leu
 64 195 200 205
 66 His Glu Gly Lys Val Leu His Tyr Arg Ile Asp Lys Asp Lys Thr Gly
 67 210 215 220

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69 Lys Leu Ser Ile Pro Glu Gly Lys Phe Asp Thr Leu Trp Gln Leu
70 225 230 235 240
72 Val Glu His Tyr Ser Tyr Lys Ala Asp Gly Leu Leu Arg Val Leu Thr
73 245 250 255
75 Val Pro Cys Gln Lys Ile Gly Thr Gln Gly Asn Val Asn Phe Gly Gly
76 260 265 270
78 Arg Pro Gln Leu Pro Gly Ser His Pro Ala Thr Trp Ser Ala Gly Gly
79 275 280 285
81 Ile Ile Ser Arg Ile Lys Ser Tyr Ser Phe Pro Lys Pro Gly His Arg
82 290 295 300
84 Lys Ser Ser Pro Ala Gln Gly Asn Arg Gln Glu Ser Thr Val Ser Phe
85 305 310 315 320
87 Asn Pro Tyr Glu Pro Glu Leu Ala Pro Trp Ala Ala Asp Lys Gly Pro
88 325 330 335
90 Gln Arg Glu Ala Leu Pro Met Asp Thr Glu Val Tyr Glu Ser Pro Tyr
91 340 345 350
93 Ala Asp Pro Glu Glu Ile Arg Pro Lys Glu Val Tyr Leu Asp Arg Lys
94 355 360 365
96 Leu Leu Thr Leu Glu Asp Lys Glu Leu Gly Ser Gly Asn Phe Gly Thr
97 370 375 380
99 Val Lys Lys Gly Tyr Tyr Gln Met Lys Lys Val Val Lys Thr Val Ala
100 385 390 395 400
102 Val Lys Ile Leu Lys Asn Glu Ala Asn Asp Pro Ala Leu Lys Asp Glu
103 405 410 415
105 Leu Leu Ala Glu Ala Asn Val Met Gln Gln Leu Asp Asn Pro Tyr Ile
106 420 425 430
108 Val Arg Met Ile Gly Ile Cys Glu Ala Glu Ser Trp Met Leu Val Met
109 435 440 445
111 Glu Met Ala Glu Leu Gly Pro Leu Asn Lys Tyr Leu Gln Gln Asn Arg
112 450 455 460
114 His Val Lys Asp Lys Asn Ile Ile Glu Leu Val His Gln Val Ser Met
115 465 470 475 480
117 Gly Met Lys Tyr Leu Glu Glu Ser Asn Phe Val His Arg Asp Leu Ala
118 485 490 495
120 Ala Arg Asn Val Leu Leu Val Thr Gln His Tyr Ala Lys Ile Ser Asp
121 500 505 510
123 Phe Gly Leu Ser Lys Ala Leu Arg Ala Asp Glu Asn Tyr Tyr Lys Ala
124 515 520 525
126 Gln Thr His Gly Lys Trp Pro Val Lys Trp Tyr Ala Pro Glu Cys Ile
127 530 535 540
129 Asn Tyr Tyr Lys Phe Ser Ser Lys Ser Asp Val Trp Ser Phe Gly Val
130 545 550 555 560
132 Leu Met Trp Glu Ala Phe Ser Tyr Gly Gln Lys Pro Tyr Arg Gly Met
133 565 570 575
135 Lys Gly Ser Glu Val Thr Ala Met Leu Glu Lys Gly Glu Arg Met Gly
136 580 585 590
138 Cys Pro Ala Gly Cys Pro Arg Glu Met Tyr Asp Leu Met Asn Leu Cys
139 595 600 605
141 Trp Thr Tyr Asp Val Glu Asn Arg Pro Gly Phe Ala Ala Val Glu Leu

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Input Set : A:\MNM001PC.txt
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216 <400> SEQUENCE: 6
217 Asp Glu Glu Asp Tyr
218 1 5
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 5
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Decsription of Artificial Sequence: Synthetic peptide
229 <400> SEQUENCE: 7
230 Asp Glu Glu Tyr Asp
231 1 5
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 5
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Decsription of Artificial Sequence: Synthetic peptide
242 <400> SEQUENCE: 8
243 Asp Glu Tyr Glu Asp
244 1 5
247 <210> SEQ ID NO: 9
248 <211> LENGTH: 5
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Decsription of Artificial Sequence: Synthetic peptide
255 <400> SEQUENCE: 9
256 Asp Tyr Glu Glu Val
257 1 5
260 <210> SEQ ID NO: 10
261 <211> LENGTH: 5
262 <212> TYPE: PRT
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Decsription of Artificial Sequence: Synthetic peptide
268 <220> FEATURE:
269 <221> NAME/KEY: MOD_RES
270 <222> LOCATION: (5)
271 <223> OTHER INFORMATION: Nle
273 <400> SEQUENCE: 10
W--> 274 Tyr Ser Ile Ile Xaa
275 1 5
278 <210> SEQ ID NO: 11
279 <211> LENGTH: 26
280 <212> TYPE: PRT
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus

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285 sequence
287 <220> FEATURE:
288 <221> NAME/KEY: MOD_RES
289 <222> LOCATION: (6)..(12)
290 <223> OTHER INFORMATION: Variable amino acid
292 <220> FEATURE:
293 <221> NAME/KEY: MOD_RES
294 <222> LOCATION: (14)
295 <223> OTHER INFORMATION: Variable amino acid
297 <220> FEATURE:
298 <221> NAME/KEY: MOD_RES
299 <222> LOCATION: (16)
300 <223> OTHER INFORMATION: Variable amino acid
302 <220> FEATURE:
303 <221> NAME/KEY: MOD_RES
304 <222> LOCATION: (20)
305 <223> OTHER INFORMATION: Variable amino acid
307 <400> SEQUENCE: 11
W--> 308 Asp Phe Gly Trp Ser Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Thr Xaa
309 1 5 10 15
311 Cys Gly Thr Xaa Asp Tyr Leu Pro Pro Glu
312 20 25

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; Xaa Pos. 5

Seq#:11; Xaa Pos. 6, 7, 8, 9, 10, 11, 12, 14, 16, 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/531,532

DATE: 04/25/2005

TIME: 12:26:01

Input Set : A:\MNM001PC.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0

L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0

M:341 Repeated in SeqNo=11